

Title (en)

Method and apparatus for producing composite boards made of metal and plastic

Title (de)

Vorrichtung und Verfahren zur Herstellung von Kunststoff-/Metall-Verbundplatten

Title (fr)

Procédé et dispositif pour fabriquer un panneau composite en métal et matière plastique

Publication

EP 0775573 A3 19980408 (DE)

Application

EP 96117911 A 19961108

Priority

DE 19543324 A 19951121

Abstract (en)

[origin: EP0775573A2] Equipment for continuous production of plastic and metal composite plates has two or more feeds(10,11) taking the continuous metal plates(6,7) from magazines(17,18), a guide for each plate, a heated melt feed system(1) including an extruder die for the plastic melt(3), calibrators(4,5) for correctly spacing the metal plates(6,7) and a take-off unit for the finished plates. The metal plate feeds(10,11) are above and below the melt feed(1) and the calibrators(4,5) immediately follow the metal plate feed system(10,11) and the melt feed system(1). In a claimed process for continuous manufacture of the plates, especially plates with structural cross-pieces between the metal facings(6,7), the metal plates, preferably preheated, are fed to positions above and below the plastics melt extrusion die and the melt(3) is extruded between the plates to create connecting pieces between the latter(6,7), especially along a line or lines of preformed openings or notches in the plates. Plate(6,7) spacing is fixed during polymer cooling. The composite plate is also claimed.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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